

CALGARY POWER COMPANY, LIMITED





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With the Compliments
of
Calgary Power Company, Limited

73.7.18/23

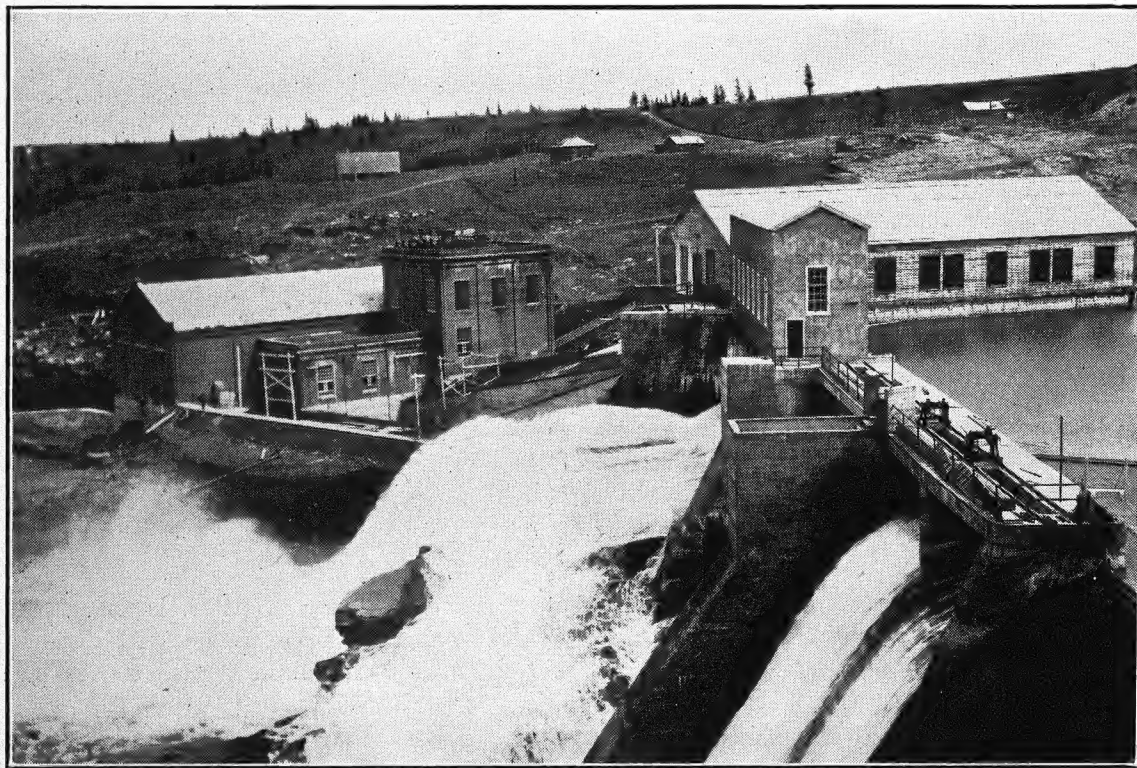
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THE hydro electric plants of the Calgary Power Company, Limited, are situated on the Bow River, 52 miles West of the City of Calgary. Two Plants are in operation with a total installed capacity of 34,000 horsepower. These are known as the Horseshoe Plant and the Kananaskis Plant, the respective sites being separated by a distance of approximately one mile. The water thus passes through the turbines of the Kananaskis Plant and then through the turbines of the Horseshoe Plant.

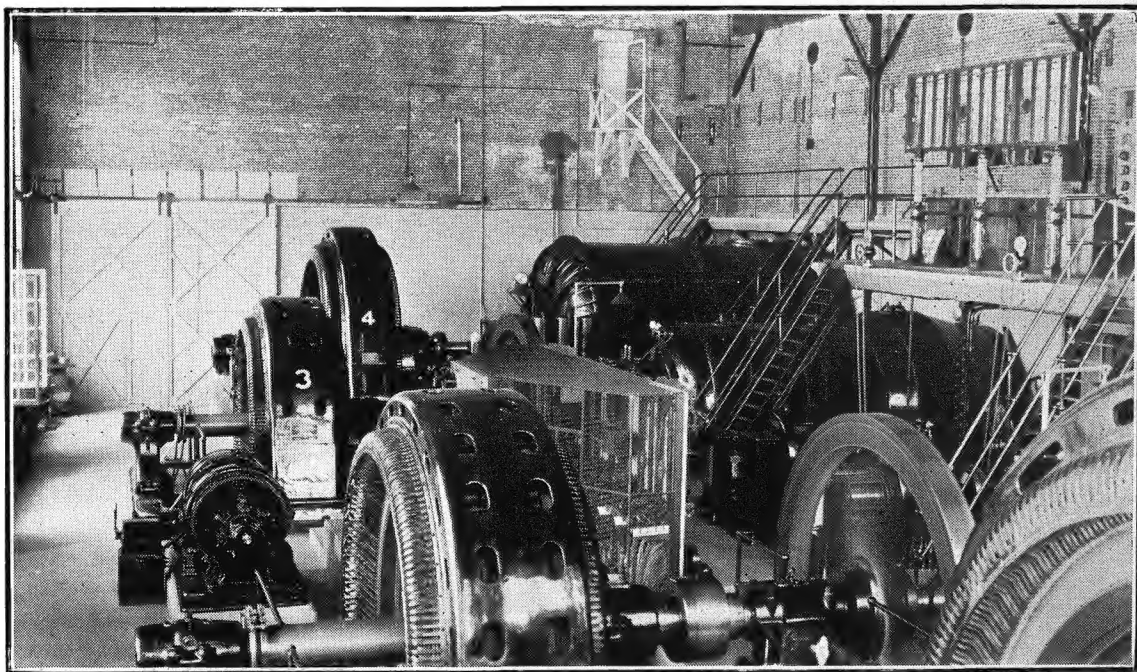
At both power sites a solid concrete dam is built across the river creating a difference in elevation of the water of 70 feet, i.e., 140 feet for both plants. Thus, there is a "head" of 140 feet available for operating the hydraulic turbines.

These turbines are directly connected to large generators which produce current at 12,000 volts. The voltage is stepped up to 55,000 volts and transmitted to the Calgary Power Company's main sub-station in the City of Calgary, where it is transformed down to 12,000 volts for use in the City.

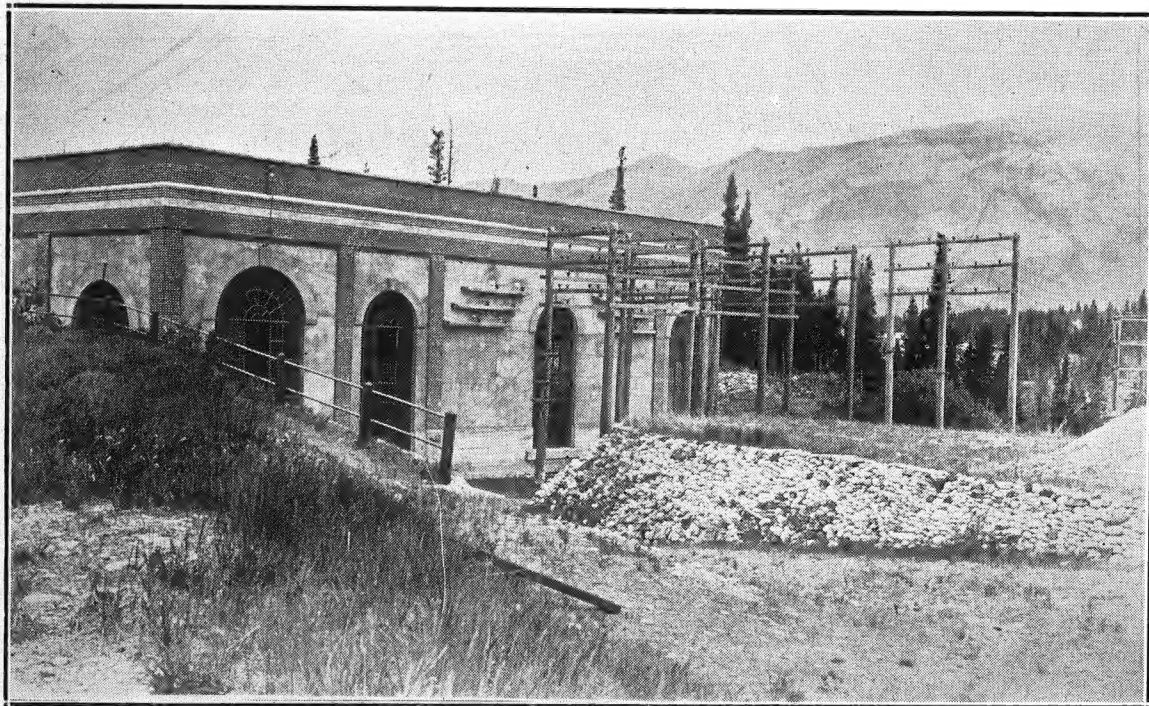
Separate switches are installed in the main substation in Calgary to which is connected the transmission line feeding the Towns and Villages to the South of Calgary. At various points the voltage is reduced to 220 volts and 110 volts as is required for commercial or domestic use, as the case may be.



GENERAL VIEW OF HORSESHOE PLANT
Showing Part of Dam, Headworks and Power House.
CALGARY POWER COMPANY, LIMITED

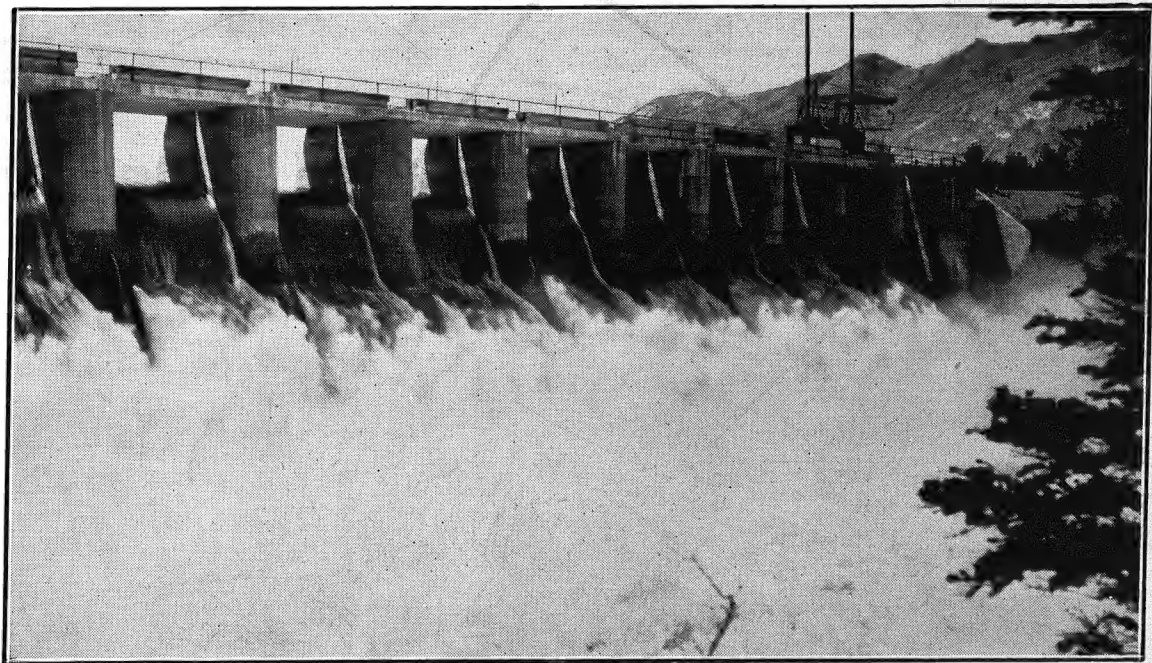


INTERIOR VIEW No. 1 POWER HOUSE, HORSESHOE FALLS
CALGARY POWER COMPANY, LIMITED



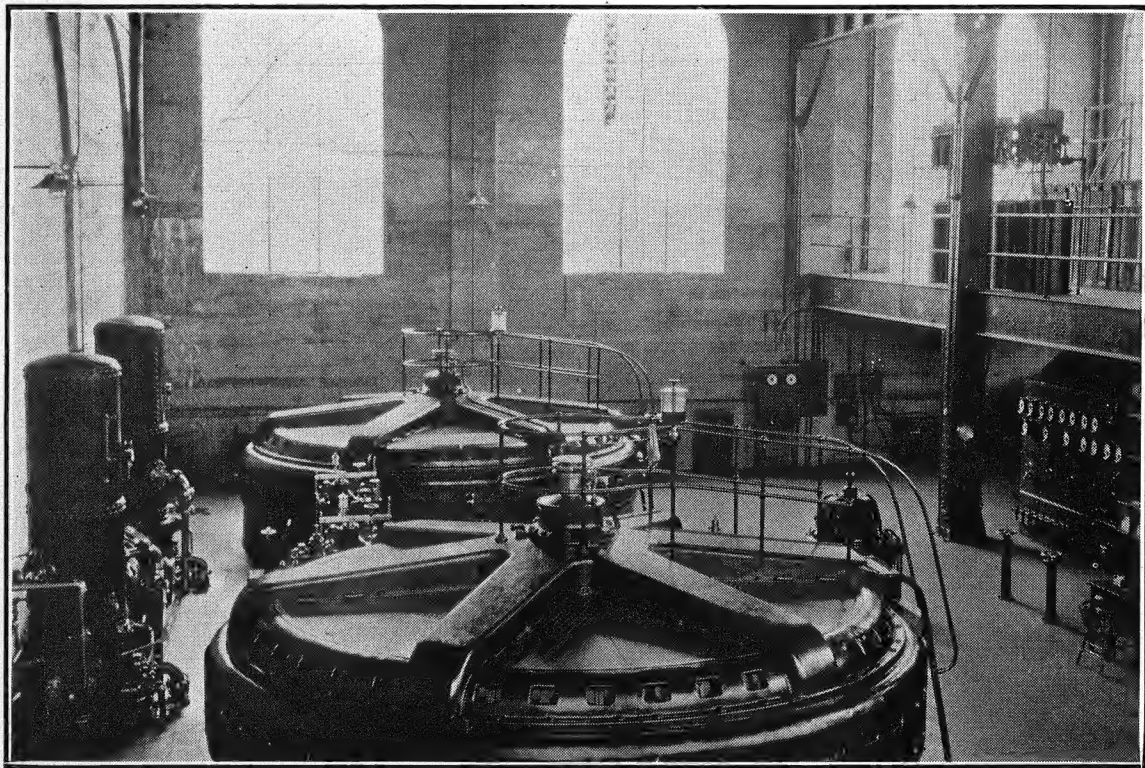
KANANASKIS POWER HOUSE

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KANANASKIS DAM

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INTERIOR VIEW OF NO. 2 POWER HOUSE, KANANASKIS FALLS
CALGARY POWER COMPANY, LIMITED



MAIN SUB-STATION, CALGARY

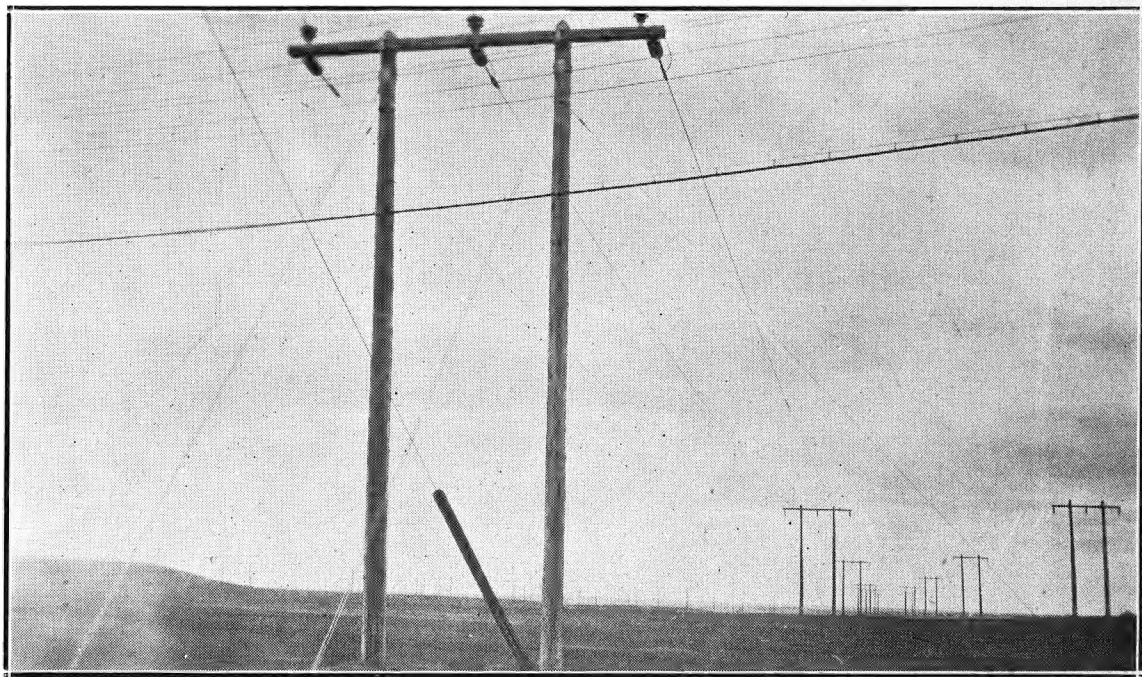
Receiving Power from Hydro Plants at 55,000 Volts, Transforming down to 12,000 Volts and 2,300 Volts. Also feeding out to South lines at 12,000 Volts and 55,000 Volts.

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PART OF 12,000 VOLT SWITCH GEAR
Main Sub-Station, Calgary.

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VIEW OF 55,000 VOLT TRANSMISSION LINES
Connecting Hydro Electric Plants with Main Sub-Station
CALGARY POWER COMPANY, LIMITED



